



TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL

TJ500CM

GEN-SET POWER RATING

*Stand-by Power	kVA	500
**Prime Power	kVA	450

* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Genset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year

** Prime power is available for an unlimited number of hours per year in a variable load application. Variable load should exceed a 70 % average of the prime power during any operating of 250 hours , total operating time at 100 % prime power shall not exceed 500 hours per year

DIMENSIONS W x L x H

Open Skid	mm	1500x3700x1964
Canopied	mm	1650x5000x2250

FUEL TANK CAPACITY

Open Skid	lt	603
Canopied	lt	828

WEIGHT

Open Skid	kg	4030
Canopied	kg	4750

ENGINE

Manufacturer	CUMMINS	
Origin	UK	
Model	QSX15-G6	
Governor Type	Electronic/A1	
Speed	rpm	1500
Net Stand-by Power	kWm	441
Net Prime Power	kWm	396
Cylinder number and config.	In line-6	
Bore/Stroke	mm	137x169
Displacement	lt	15
Compression ratio	17	

Aspiration Turbocharged & Charge
Air Cooled

Cooling Water Cooled

Electrical system V 24

Fuel Consumption

% 100 load	lt/h	97,6
% 75 load	lt/h	75,2
% 50 load	lt/h	53,4

Lub.Oil Capacity lt 91,0

Coolant Capacity with radiator lt 88,0

ALTERNATOR

Manufacturer	MARELLI	
Origin	ITALY	
Model	MJB315MB4	
Stand By Power	kVA	500
Power Factor	0,8	
Efficiency	%	94,0
Number of Bearing	Single	
Leads Number	12	
Voltage	V	230/400
Voltage Regulation Accuracy	±1%	
Frequence	Hz	50
Insulation Class	H	
Protection	IP23	
Excitation System	Brushless, AVR	
Connection	Star	

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